The Botanical Review Volume 75 Table of Contents

75(1)

1 Foreword
Wm. Wayt Thomas

2–21 Phylogeny of Cyperaceae Based on DNA Sequence Data: Current Progress and Future Prospects
A. Muthama Muasya, David A. Simpson, G. Anthony Verboom, Paul Goetghebeur, Robert F. C. Naczi, Mark W. Chase, and Erik Smets

22–29 A Preliminary Molecular Phylogeny of the Rhynchosporeae (Cyperaceae)
Wm. Wayt Thomas, Ana Claudia Araújo, and Marccus Vinícius Alves

30–51 A Floral Ontogenetic Approach to Questions of Homology within the Cyperoideae (Cyperaceae)
A. Vrijdaghs, A. M. Muasya, P. Goetghebeur, P. Caris, A. Nagels, and E. Smets

52–66 What is a Genus in Cypereae: Phylogeny, Character Homology Assessment and Generic Circumscription in Cypereae
A. Muthama Muasya, Alexander Vrijdaghs, David A. Simpson, Mark W. Chase, Paul Goetghebeur, and Erik Smets

67–95 Insights on Using Morphologic Data for Phylogenetic Analysis in Sedges (Cyperaceae)
Robert F. C. Naczi

96–109 The Evolution of Chromosome Arrangements in *Carex* (Cyperaceae)
Andrew L. Hipp, Paul E. Rothrock, and Eric H. Roalson

110–137 Phylogeny and Evolution in Cariceae (Cyperaceae): Current Knowledge and Future Directions
Julian R. Starr and Bruce A. Ford

138–159 Phylogeny, Species Richness, and Ecological Specialization in Cyperaceae Tribe Cariceae
Marcia J. Waterway, Takuji Hoshino, and Tomomi Masaki

160–161 *The Botanical Review* Volume 74 Table of Contents

75(2)

163–190 The Altitude of Alpine Treeline: A Bellwether of Climate Change Effects
William K. Smith, Matthew J. Germino, Daniel M. Johnson, and Keith Reinhardt

191–202 Premature Decline of *Eucalyptus* and Altered Ecosystem Processes in the Absence of Fire in Some Australian Forests
D. C. Close, N. J. Davidson, D. W. Johnson, M. D. Abrams, S. C. Hart, I. D. Lunt, R. D. Archibald, B. Horton, and M. A. Adams

The Botanical Review Volume 75 Table of Contents

75(1)

1 Foreword
Wm. Wayt Thomas

2–21 Phylogeny of Cyperaceae Based on DNA Sequence Data: Current Progress and Future Prospects
A. Muthama Muasya, David A. Simpson, G. Anthony Verboom, Paul Goetghebeur, Robert F. C. Naczi, Mark W. Chase, and Erik Smets

22–29 A Preliminary Molecular Phylogeny of the Rhynchosporeae (Cyperaceae)
Wm. Wayt Thomas, Ana Claudia Araújo, and Marccus Vinícius Alves

30–51 A Floral Ontogenetic Approach to Questions of Homology within the Cyperoideae (Cyperaceae)
A. Vrijdaghs, A. M. Muasya, P. Goetghebeur, P. Caris, A. Nagels, and E. Smets

52–66 What is a Genus in Cypereae: Phylogeny, Character Homology Assessment and Generic Circumscription in Cypereae
A. Muthama Muasya, Alexander Vrijdaghs, David A. Simpson, Mark W. Chase, Paul Goetghebeur, and Erik Smets

67–95 Insights on Using Morphologic Data for Phylogenetic Analysis in Sedges (Cyperaceae)
Robert F. C. Naczi

96–109 The Evolution of Chromosome Arrangements in *Carex* (Cyperaceae)
Andrew L. Hipp, Paul E. Rothrock, and Eric H. Roalson

110–137 Phylogeny and Evolution in Cariceae (Cyperaceae): Current Knowledge and Future Directions
Julian R. Starr and Bruce A. Ford

138–159 Phylogeny, Species Richness, and Ecological Specialization in Cyperaceae Tribe Cariceae
Marcia J. Waterway, Takuji Hoshino, and Tomomi Masaki

160–161 *The Botanical Review* Volume 74 Table of Contents

75(2)

163–190 The Altitude of Alpine Treeline: A Bellwether of Climate Change Effects
William K. Smith, Matthew J. Germino, Daniel M. Johnson, and Keith Reinhardt

191–202 Premature Decline of *Eucalyptus* and Altered Ecosystem Processes in the Absence of Fire in Some Australian Forests
D. C. Close, N. J. Davidson, D. W. Johnson, M. D. Abrams, S. C. Hart, I. D. Lunt, R. D. Archibald, B. Horton, and M. A. Adams

203–229 Nitric Oxide Signalling In Plants
Narcin Palavan-Unsal and Damla Arisan

230–247 Mediators, Genes and Signaling in Adventitious Rooting
Shi-Weng Li, Lingui Xue, Shijian Xu, Huyuan Feng, and Lizhe An

75(3)

249–270 Leaf Chlorophyll Fluorescence: Background and Fundamentals for Plant Biologists
Fernando S. Henriques

271–291 Plant Communities of Western Amazonia
Randall W. Myster

292–325 The Invasive *Buddleja davidii* (Butterfly Bush)
Nita G. Tallent-Halsell and Michael S. Watt

326–338 Asymmetric Co-evolution in the Lichen Symbiosis Caused by a Limited Capacity for Adaptation in the Photobiont
David J. Hill

75(4)

339-364 Phytoremediation of Heavy Metals: Physiological and Molecular Mechanisms
Ruqaya Jabeen, Altaf Ahmad, and Muhammad Iqbal

365–376 The Flowering Unit in the Synflorescences of Amaranthaceae
Juan Manuel Acosta, Mariel Perreta, Alicia Amsler, and Abelardo C. Vegetti

377–396 Development and Structure of the Grass Inflorescence
Mariel G. Perreta, Julio C. Ramos, and Abelardo C. Vegetti

397–417 Arbuscular Mycorrhizas: Drivers or Passengers of Alien Plant Invasion
Manzoor A. Shah, Zafar A. Reshi, and Damase P. Khasa

The Botanical Review Volume 75 Table of Contents